

NIPS 2017

LONG BEACH CA | DEC 4 - 9 | NIPS.CC

TUTORIALS - DEC 4TH

Statistical Relational Artificial Intelligence: Logic, Probability and Computation
Luc De Raedt, David Poole, Kristian Kersting, Sriraam Natarajan

Reinforcement Learning with People
Emma Brunskill

A Primer on Optimal Transport
Marco Cuturi, Justin Solomon

Geometric Deep Learning on Graphs & Manifolds
Michael Bronstein, Joan Bruna, Arthur Szlam, Xavier Bresson, Yann LeCun

Fairness in Machine Learning
Solon Barocas, Moritz Hardt

Engineering and Reverse-Engineering Intelligence Using Probabilistic Programs, Program Induction, and Deep Learning
Josh Tenenbaum, Vikash K Mansinghka

Differentially Private Machine Learning: Theory, Algorithms and Applications
Kamalika Chaudhuri, Anand D Sarwate

Deep Probabilistic Modelling with Gaussian Processes
Neil D Lawrence

Deep Learning: Practice and Trends
Nando de Freitas, Scott Reed, Oriol Vinyals

INVITED SPEAKERS - DEC 5TH - 7TH

Pieter Abbeel (UC Berkely, Open AI)
Deep Learning for Robotics

Kate Crawford (Microsoft Research)
The Trouble with Bias

Brendan J Frey (Deep Genomics, Vector Institute, U. Toronto)
Why AI Will Make it Possible to Reprogram the Human Genome

Lise Getoor (UC Santa Cruz)
The Unreasonable Effectiveness of Structure

Yael Niv (Princeton)
Learning State Representations

John Platt (Google)
Energy Strategies to Decrease CO2 Emissions

Yee Whye Teh (Oxford, DeepMind)
On Bayesian Deep Learning and Deep Bayesian Learning

SYMPOSIA - DEC 7TH

Interpretable Machine Learning
Andrew G. Wilson · Jason Yosinski · Patrice Simard
Rich Caruana · William Herlinds

Deep Reinforcement Learning
Pieter Abbeel · Yan Duan · David Silver
Satinder Singh · Junhyuk Oh · Rein Houthoofd

Kinds of Intelligence: Types, Tests and Meeting the Needs of Society
José Hernández-Orallo · Zoubin Ghahramani
Tomaso A Poggio · Adrian Weller · Matthew Crosby

Metalearning
Risto Miikkulainen · Quoc V Le · Kenneth Stanley
Chrisantha T Fernando

WORKSHOPS - DEC 8TH - 9TH

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Samuel Kaski (Aalto U. & U. of Helsinki)

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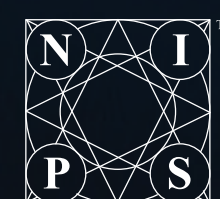
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Neural Information
Processing Systems